Amendments to the Claims

Please amend claims to be as follows.

1. (currently amended) A method of assigning service priorities to traffic from a plurality of sources using meters, the method comprising:

receiving a packet that is placed into a specific class of service (COS) group;

determining a fabric-adjusted meter modifier depending on technology of a limiting uplink being used; and

adding the fabric-adjusted meter modifier to a meter corresponding to the specific COS group,

wherein the fabric-adjusted meter modifier is also dependent on a payload size of the packet, and determining the fabric-adjusted meter modifier comprises summing outputs from a plurality of comparators with the payload size if specified by a user configurable flag.

2. (canceled)

3. (original) The method of claim 1, further comprising:

determining if the meter exceeds a black-type limit for the specific COS group; and

if the black-type limit is exceeded, then dropping the packet.

4. (original) The method of claim 1, further comprising:

determining if the meter exceeds a red-type limit for the specific COS group; and

if the red-type limit is exceeded, then lowering a priority level of the packet.

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5. (currently amended) The method of claim 1, further comprising:

> determining if the COS meter exceeds a limit [[Lm]] for the specific COS group and

> if the limit [[Lm]] is exceeded then perform an action[[, Am,]] specified for the limit [[Lm]].

6. (original) The method of claim 2, wherein determining the fabric-adjusted meter modifier comprises retrieving a modifier value associated with the payload size from a technology-specific look-up table.

7. (canceled)

8. (canceled)

9. (currently amended) An apparatus for forwarding traffic from a plurality of sources, the apparatus comprising:

> a port for receiving a packet that is placed into a specific COS group;

> calculation circuitry configured to determine a fabric-adjusted meter modifier depending on a technology of an uplink being used;

> update circuitry configured to add the fabric-adjusted meter modifier to a meter corresponding to the specific COS group,

> wherein the fabric-adjusted meter modifier is also dependent on a payload size of the packet, and determination of the fabric-adjusted meter modifier comprises summing outputs from a plurality of comparators with the payload size if specified by a user configurable flag.

10. (original) The apparatus of claim 9, wherein the fabric-adjusted meter modifier is also dependent on a payload size of the packet.

11. (original) The apparatus of claim 9, further comprising:

comparison circuitry configured to determine if the meter exceeds a black-type limit for the specific COS group; and

non-forwarding circuitry for dropping the packet if the black-type limit is exceeded.

12. (original) The apparatus of claim 9, further comprising:

comparison circuitry configured to determine if the meter exceeds a red-type limit for the specific COS group; and

prioritization circuitry for lowering a priority level of the packet if the red-type limit is exceeded.

13. (currently amended) The apparatus of ~~claim 7~~ claim 9, wherein the calculation circuitry comprises a technology-specific look-up table.

14. (currently amended) The apparatus of ~~claim 7~~ claim 9, wherein the calculation circuitry comprises a plurality of comparators and an adder to sum outputs of the comparators.

15. (currently amended) A system for routing traffic from a plurality of sources using class of service (COS) meters, the system comprising:

means for receiving a packet that is placed into a specific COS group;

means for determining a fabric-adjusted meter modifier depending on a technology of an uplink being used;

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means for adding the fabric-adjusted meter modifier to a COS meter corresponding to the specific COS group,

wherein the fabric-adjusted meter modifier is also dependent on a payload size of the packet, and said means for determining the fabric-adjusted meter modifier sums outputs from a plurality of comparators with the payload size if specified by a user configurable flag.

16. (currently amended) A method of implementing class of service (COS) functionality in a telecommunications system, the method comprising:

defining a user-configurable function by way of a user interface; and

assigning the user-configurable function to be a meter modifier function associated with a class of service group in the system, wherein the meter modifier function is dependent on a payload size of the packet; and

determining the meter modifier function, including summing outputs from a plurality of comparators with the payload size if specified by a user configurable flag.

17. (canceled)

18. (original) The method of claim 16, wherein the user-configurable function depends on a current value of the meter.

19. (original) The method of claim 16, wherein the user-configurable function depends on a last destination of a packet forwarded by the system.

20. (original) The method of claim 16, wherein the meter function is used to adjust for a fabric uplink technology.

21. (currently amended) A method of implementing class of service (COS) functionality in a telecommunications system, the method comprising:

   defining multiple user-configurable meter modifier functions by way of a user interface; and

   assigning each service class of a set of service classes to one of the user-configurable meter modifier functions, wherein the user-configurable meter modifier functions are dependent on a payload size of the packet; and

   determining the user-configurable meter modifier functions, including summing outputs from a plurality of comparators with the payload size if specified by a user configurable flag.

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